83096400 0896Ⓔ

AIPHONE

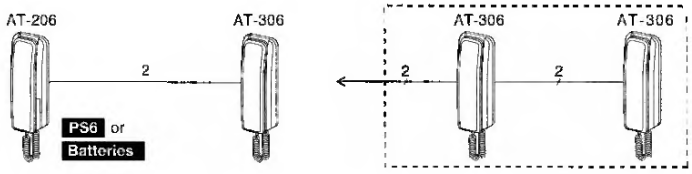
HANDSET INTERCOM

Models; **AT-406** Set
AT-306 Additional sub

INSTALLATION & OPERATION MANUAL

1 SYSTEM OUTLINE & COMPONENTS

AT-406 is a Handset Intercom set, allowing two-way calling & communication.



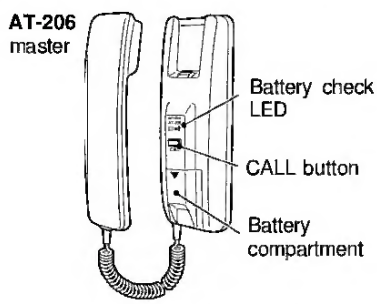
▪ Package Contents

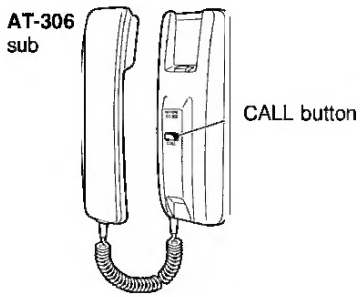
- Handset Intercom set (AT-406) or Sub station (AT-306)
- Mounting bracket
- Packet of screws
- Installation & Operation Manual

▪ Components available

- AT-406 Boxed set
- **AT-406P** Decorative boxed set (N/A in USA)
- **AT-306** Add-on sub (add'l 2 pcs max.)
- **Power supply:**
  SKK-620 in USA or **PS-6D**, or 4 pcs SUM-3(AA) batteries.
- **TAR-3** relay for external signalling device.
  Powered by a separate 6V DC power supply.

2 NAMES & FEATURES





▪ Features

2-handset communication system suited for:
R.V. cab-to-camper, Boat deck-to-cabin, Limo. chauffer to back seat, and Restaurant kitchen to bar, etc.

- Up to 3 subs
- Electronic call tone, not adjustable
- Front loading batteries
- Battery or DC powered
- External signalling device

3 PRECAUTIONS ON INSTALLATION & WIRING

▪ Mounting

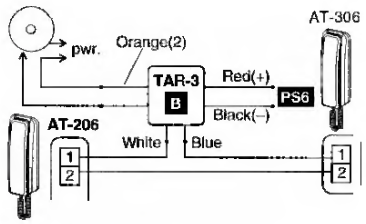
AT-406 set is designed for indoor use only. Do not install outdoors. It must be used in wall-mounted applications only.

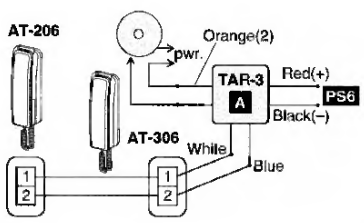
▪ Wiring

AT-406 can be wired with 2 non-polarized wires. When add-on sub(s) is installed, connect in loop or home run. Keep audio wires 50cm, 20" away from any AC wiring, fluorescent lights, dimmer switches, etc.

▪ External signalling device

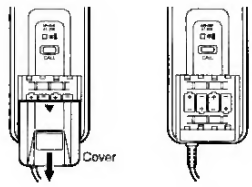
Any particular station can be signalled by bell or light, while it rings. Install **TAR-3** relay powered by its own 6V DC power supply (SKK-620 or **PS-6D**).

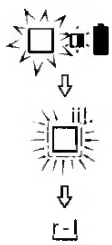




▪ Loading batteries

Slide down front battery cover. Place four SUM-3 (AA) batteries into compartment. Observe polarity.





▪ Battery LED Indicator

1. LED is brightly lit.
   → Batteries are powerful enough.
2. Becomes dim during use.
   → Batteries are getting weaker.
3. LED is no longer lit.
   → Batteries are exhausted. Replace all four batteries with new ones.

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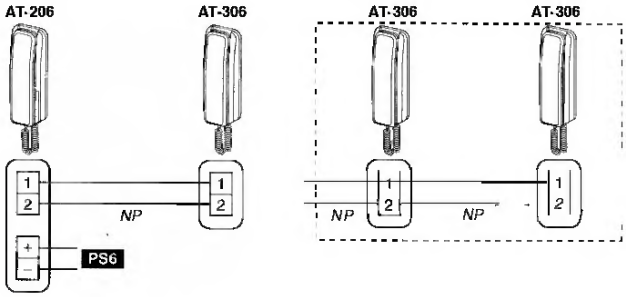
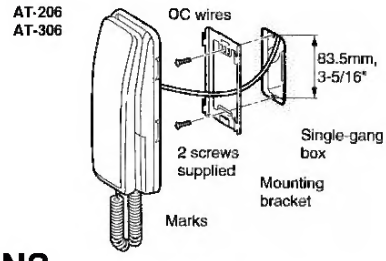
4 WIRING



NP: Non-polarized

PS6: 6V DC power supply.
SKK-620: (+) Red, (-) Black.
PS-6D: (+) Red, (-) White.

5 MOUNTING



Mount the intercom on bracket, aligning at the marks. Pull down on bracket, until it properly locks. Terminal section is on the back side. Do not disassemble the unit. For surface wall cable run, outlet hole is provided on the top or bottom of chassis.

6 OPERATIONS

Press CALL button to call other station(s)(max. 3 subs). It rings as long as CALL button is pressed. Communicate on handsets. At conclusion, replace handset onto cradle. If not hung up, battery power is consumed.

★ External device, connected to a station, is activated as long as call tone rings on handset.

7 TECHNICAL PRECAUTIONS

★ Do not hold hook switch down while handset is off hook, as the call tone sounds very loud through handset receiver.
★ Do not connect AC wires to any terminal on any unit.
★ Do not use DC power supply when the batteries are installed.
★ Do not install **AT-406** in places subjected to temperature/humidity extremes, dust, oil, chemicals, salt, etc.
★ Clean AT-406 with a soft cloth dampened with neutral household cleanser. Never use any abrasive cleaner or cloth.

8 SPECIFICATIONS (AT-406)

- **Power source:** 6V DC, 120mA. OA standby.
- **Power supply:** SKK-620 in USA or PS-6D power supply. Or 4 pcs SUM-3(AA) batteries.
- **Communication:** Electronic tone rings opponent station(s). Common talk system with handset.
- **Wiring:** 2 wires parallel, non-polarized.
- **Wiring distance:**

Diameter	0.65mmø	1.0mmø
2-station	700m	1,600m
3 AT-306's	400m	940m

AWG	22AWG	18AWG
2-station	2,300'	5,250'
3 AT-306's	1,350'	3,100'

- **Dimensions & weight:** 210H x 80W x 52D. 8-1/4"H x 3-1/8"W x 2"D.
  AT-206: 310g (0.68 lbs.) approx.
  AT-306: 280g (0.62 lbs.) approx.

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty.
This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the product.
This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone.
Aiphone will not be responsible for any costs incurred involving on site service calls.

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